

Annville-Cleona School District

Course: Integrated Math 2

Credit Hours: 1

Prerequisites: Integrated Math I

Instructor: Mr. Lamb

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Course Description: Number sense, Algebra, Geometry, statistics, and logic are presented as tools for investigating phenomena and exploring new math concepts. Each chapter has a theme, which is the focus of many application problems. Students will learn how to use mathematics as a tool for solving problems in their world.

Course Objectives:

Students will...

- Analyze data and apply it to real world situations.
- Review ideas covered in Algebra I and further explore the uses of equations, functions, and polynomials.
- Apply the laws of logic and Geometry in the real world.

Materials Needed:

Text—MathMatters 2 by Lynch, Olmstead, and De Forest-Davis, Glencoe/McGraw Hill, 2001.

Others—Pencil, calculator (TI-84 Plus Silver recommended, any TI-83, TI-84, or TI-nSpire (non-CAS) will work), and a three-ring binder to keep as a notebook.

Course Requirements: Students are to keep a tidy notebook of notes, problem sets, quizzes, tests, and other handouts that are provided as we progress through the course. Concept Checks (quick quizzes) will be given for each lesson. Upon completion of problem sets, students will show understanding of the materials through these. Weekly quizzes based on the problem sets will be given to make sure students are mastering the content. Students will also work with others on problem sets. The textbook should be read by the student, and all lessons will be viewable by electronic means.

Assessment/Grading Procedures: Quarter grades are determined on a weighted scale. Chapter tests: 40%, Quizzes: 25%, Homework (problem sets): 10%, Participation: 5%, Miscellaneous: 20%. There will be 2-3 tests and 4-8 quizzes per quarter. Problem sets are checked for completeness (Homework) and assessed through Concept Checks (Miscellaneous). Participation is recorded in the grade book weekly. In order to earn all points for class participation, you need the following items with you **EVERY DAY:** Your textbook, notebook, calculator, and **PENCIL**. You will lose points if you are unprepared or are disruptive, not being active in class, or late to class. Miscellaneous assignments are items such as notebook quizzes, in-class or take home graded work, and projects. Quizzes and tests will not be handed back until everyone has completed them. Quizzes, tests, and projects are all ZAP-pable assignments.

Expectations (Attendance/Participation): Attendance and participation are both musts! Mathematics is not a spectator sport! Complete and organize all notesheets. Definitions and examples are the bulk of the notes, and any handouts must also be kept in an organized binder. Any missed work *must* be made up the next day of class, either in class, during a study hall, or after school. Exceptions may be made for extended absences.

Additional Information: All assignments *must* be completed with a pencil. Any assignment turned in done in pen will suffer a 10% deduction of the original possible score. I will challenge you to learn math as best you can, and I will help you as much as I can. It is up to you as to how well you do. If you are determined to do well, then you will do so.